

Definition of Scripting

- **Deliberately introducing a disturbance into the system.**
 - Scripting is related to (timed) events

Policy is not scripted

- **But, it is a scenario consideration**

Why Use Scripting?

FT – to Study System Resiliency
RT – to Study Human Performance
and/or System Resiliency

Scripting Do's

- Script up Front
- Plan more scripted events than needed to ensure desired results
 - (ex. Script 12 potential conflicts to obtain at least 3)
- Pre-Warn Participants
 - Minimal pre-warning
 - Expect an abnormal level of unexpected events but not what events.
 - Unfortunately this may be controlled by policy

Scripting Do's

- Use Subject Matter Experts
 - To help determine the number of scripts required to achieve the desired result
 - to Validate Your Scripts
 - to Validate the output for Realism.
- Weather
 - Use Real Data
 - Rerouting Algorithms Should Be Realistic
 - Valid Airport or Airspace Capacities
 - Ex. 60 Arrival an Hour on a single runway during IMC conditions

Scripting Don'ts

- Try to Recover Dynamically